

ASSIGNMENT 2

Textbook Assignment: "storage and Material Handling," chapter 2, Pages 2-1 through 2-29.

2-1. Which of the following functions does supply constantly perform to provide support to its customers?

1. Receipt processing
2. Material storage
3. Process expenditures
4. All of the above

2-2. The efficiency of supply operations depends largely upon the smooth flow of which of the following elements?

1. Material only
2. Paperwork only
3. Material and paperwork
4. Personnel

IN ANSWERING QUESTIONS 2-3 THROUGH 2-10, SELECT THE TERM THAT IS DESCRIBED BY THE DEFINITION.

2-3. Any passageway within a storage area.

1. Aisle
2. Bay area
3. Loading dock
4. Floor plan

2-4. A definite area, in square feet, of a specified type of storage space that is formally apportioned for use.

1. Bin area
2. Gross storage space
3. Allocated space
4. Rack space

2-5. The area in which bins have been erected including the aisles and working space between the bins.

1. Bin area
2. Bin storage space
3. Bay area
4. Support area

2-6. The piece of metal used to span the space between the truck and the loading platform.

1. Floor load
2. Dunnage
3. Bridge plate
4. Drive-in rack

2-7. The weight that can be safely supported by a floor of a warehouse.

1. Gross storage space
2. Support space
3. Block storage
4. Floor load

2-8. The floor area on which bins or racks are erected and bulk material can be stored.

1. Net storage space
2. Gross storage space
3. Block storage
4. Floor plan

2-9. In open storage, the barrier of cleared or plowed land intended to check a grass fire.

1. Structural loss
2. Gross storage space
3. Firewall
4. Firebreak

2-10. A sorting device with a pivoting arm that is used to select an item off a conveyor and onto the proper discharge lane.

1. Swing arm sorter
2. Tilt slat sorter
3. Towline
4. Rack order picking

2-11. Which of the following items serve as an excellent management tool in the effective use of storage space when planning the storage layout?

1. Material handling equipment
2. Floor plan layout
3. Tote boxes
4. Pallet racks

2-12. The key factor in planning the storage layout ashore is

1. the weight limitations
2. the quantity of bulk inventories
3. the required storage space
4. personnel resources

- 2-13. Which of the following factors is NOT used in computing the required storage space at a shore activity?
1. Equipment capability
 2. Occupancy of net storage space
 3. Office equipment
 4. Aisles
- 2-14. The critical factors in developing the layout for storage operations include the correlation between
1. the operators and equipment
 2. the equipment and warehouse dimensions
 3. the racks and shelvings
 4. the fast and slow moving items
- 2-15. In planning the layout to support efficient operations, you should consider which of the following factors?
1. Special handling requirements
 2. Handling classification
 3. Pallet rack operations and small items
 4. All of the above
- 2-16. There are how many basic handling classes of storage that should be considered when planning the layout to support operations?
1. 1
 2. 2
 3. 3
 4. 4
- 2-17. Which of the following storage operations is considered the simplest way of handling material?
1. Pallet rack operations
 2. Bin operations
 3. Shelf-life item operations
 4. Bulk storage operations
- 2-18. In planning the storage layout for small items, which of the following factors should be considered?
1. The number of shelvings
 2. The height of shelvings
 3. The MHE such as high rise stock pickers
 4. All of the above
- 2-19. The material flow pattern that is useful for low or moderate storage activities is referred to as
1. straight line
 2. cyclic
 3. interacting
 4. vertical
- 2-20. Which of the following flow patterns emphasizes the rapid and direct transfer of material from receiving to shipping?
1. Straight line
 2. Cyclic
 3. Interacting
 4. Vertical
- 2-21. The storage pattern for storage areas used for pallet rack operations is designed according to which of the following elements?
1. Security requirements
 2. Number of qualified MHE operators
 3. MHE to move the material
 4. Fire protection level
- 2-22. Generally, floor area utilization is maximized by minimizing which of the following spaces?
1. Working
 2. Offices
 3. Support
 4. Aisles
- 2-23. Which of the following terms refers to the distance between the floor and all overhead obstructions in a storage space?
1. Clear height
 2. Office
 3. Support
 4. Aisle
- 2-24. Which of the following factors affect the maximum utilization of clear height?
1. Storage space
 2. Material handling equipment
 3. Stackability of material
 4. All of the above
- 2-25. What is the normal width, in inches , of the aisles of bins and shelving areas?
1. 30 to 36
 2. 36 to 48
 3. 48 to 72
 4. 72 to 84
- 2-26. There are how many types of working aisles?
1. One
 2. Two
 3. Three
 4. Four

- 2-27. Which of the following aisles is used as pedestrian routes only?
1. Cross
 2. Transportation
 3. Service
 4. Personnel
- 2-28. Which of the following storage techniques allows quick access to high-demand items (fast movers)?
1. Palletizing
 2. Popularity
 3. Similarity
 4. Binnability
- 2-29. To classify the items for similarity storage technique, you should use which of the following factors?
1. Stackability of material only
 2. Type of packaging only
 3. Packaging and stackability
 4. Cognizance symbol
- 2-30. Which of the following spaces is NOT classified as a warehouse support area?
1. Shipping and receiving
 2. General administrative office
 3. Truck docks
 4. Packing
- 2-31. Office spaces of the supply department should be designed to achieve which of the following purposes?
1. Facilitate production
 2. Enhance communication
 3. Simplify construction
 4. Originality
- 2-32. The arrangement of an office space of a unit that processes large volumes of paperwork should be based on which of the following factors?
1. Space for filing cabinets
 2. Size of office equipment
 3. Number of desks
 4. Workflow
- 2-33. Under the general guidelines, the layout of the office should be arranged in which of the following ways?
1. Offset
 2. Straight and parallel
 3. Angular
 4. Jogs
- 2-34. The supervisor should be placed in what area of the office space?
1. Center of the office
 2. Near any entrance
 3. Rear of the work groups
 4. Front of the work groups
- 2-35. How many total square feet is the desirable standard floor area for clerical workers?
1. 45
 2. 50
 3. 55
 4. 60
- 2-36. How many total square feet of standard floor area should be allowed for the leading CPO?
1. 200
 2. 120
 3. 100
 4. 60
- 2-37. Using the example for computing the standard area, how many total square feet floor area is the space requirement for 4 clerks, a leading CPO, and a division officer?
1. 480
 2. 720
 3. 780
 4. 840
- 2-38. When desks are arranged by pairs, end for end, with aisles adjacent to each desk, what is the minimum space standard of inches from back to back?
1. 96
 2. 84
 3. 72
 4. 60
- 2-39. How many more inches of space per desk should be added when 3 or more desks are used end for end, with aisles adjacent to outer desks only?
1. 12
 2. 24
 3. 36
 4. 48
- 2-40. The space required for filing cabinets depends upon which of the following factors?
1. Frequency of the use of files
 2. Size of cabinets
 3. Arrangement of cabinets
 4. All of the above

- 2-41. What is the measurement of the standard legal file cabinet?
1. 24" X 24"
 2. 18" X 36"
 3. 18" X 30"
 4. 8" x 11"
- 2-42. Which of the following methods of storing bulk items maximize the use of storage space?
1. Applying the space approach
 2. Storing by NIIN sequence
 3. Storing by slot
 4. Storing by unit size
- 2-43. The storing or withdrawing of stores that result in vacant space that becomes unusable for storing other items is referred to as what term?
1. Floor stacking
 2. Honeycombing
 3. Cross stacking
 4. Palletizing
- 2-44. Which of the following factors directly affects the arrangement of material in a storage space afloat?
1. Category of material
 2. Shelf-life program
 3. The number of storerooms
 4. Internal construction of space
- 2-45. In which of the following ways is material stowed aboard ship to reduce the effect of battle damage to other parts of the ship?
1. Storing all the same items in the forward section
 2. Storing all the same items aft
 3. Storing all the same items amidships
 4. Dispersing items in various sections of the ship
- 2-46. How many inches wide should the aisles between racks, cabinets, or bins afloat be?
1. 12
 2. 24
 3. 30
 4. 36
- 2-47. How should material that cannot be identified be disposed of from ships?
1. Returned to manufacturer
 2. Shipped to other ships
 3. Issued free of charge
 4. Turned in to a shore activity
- 2-48. Which of the following NAVSUP publications contains the Supply Afloat Packaging Procedures?
1. P-484
 2. P-485
 3. P-540
 4. P-545
- 2-49. Afloat, the location system established for all storerooms is started from what part of the ship?
1. Forward on port side
 2. Forward on starboard side
 3. Amidships on centerline
 4. Aft on starboard side
- 2-50. Codification to existing storage aids installed in a storeroom afloat can be accomplished by submitting a work request using what OPNAV Instruction?
1. 4790.1
 2. 4790.2
 3. 4790.4
 4. 5442.4
- 2-51. How often are updates to the HMIS distributed?
1. Annually
 2. Quarterly
 3. Monthly
 4. Weekly
- 2-52. The list of authorized hazardous material for afloat activities is contained in which of the following documents?
1. SHML
 2. HMR
 3. MSDS
 4. HMIS
- 2-53. Flammable liquids have flash points of how many degrees Fahrenheit?
1. 100 degrees and below
 2. 110 to 200 degrees
 3. 100 degrees only
 4. 200 degrees and above
- 2-54. The product of the net storage area when multiplied by the stacking height will provide which of the following information?
1. Total gross storage area
 2. Bin cubic capacity
 3. Total cubic feet capacity
 4. Net storage space

2-55. The Navy Physical Inventory program is described in which of the following directives?

- 1 . OPNAVINST 5510.1
- 2 . OPNAVINST 4790.2
- 3 . NAVSUPINST 4441.20
- 4 . NAVSUPINST 4440.115

2-56. If pilferable items are stored with classified material, the space must be designated as what type of storage area?

- 1 . FOUO storeroom
- 2 . Classified storeroom
- 3 . General storeroom
- 4 . Pilferable items storeroom

2-57. How many forklift truck(s) is/are required to move 96 pallets if a forklift can carry 2 pallets per trip, a round trip takes 5 minutes to finish, and the job must be finished in 2 hours?

1. One
2. Two
3. Three
4. Four

2-58. The area occupied by a standard pallet, with 25 percent allowed for overhang, is approximately how many square feet?

1. 16
2. 24
3. 40
4. 48

2-59. Which of the following types of MHE is designed to carry aircraft engines in special containers?

- 1 . Two-wheel hand trucks
- 2 . Four-wheel hand trucks
- 3 . Dollies
- 4 . Handlift truck (MK 45)

2-60. When traveling, the forks of the forklift truck must be raised

1. not more than 4 inches above the deck
2. 4 inches or higher from the deck
3. not more than 4 feet above the deck
4. not more than 6 inches from the deck